Facility Management Standard (FMSFIE)

for facilities, infrastructure, and environment

Initial development of the FMSFIE began in 1997. An underlying criteria for development of the FMSFIE has been to provide integration with the CADD/GIS Technology Center's CADD (AEC CADD Standard) and GIS (SDSFIE) data standards. Several different strategies were evaluated for integration of the FMSFIE within the SDSFIE and A/E/C CADD Standard. It was determined that, initially, the FMSFIE would be incorporated within the SDSFIE data model (designated as FM Entity Classes within the appropriate SDSFIE Entity Sets). This stage of FMSFIE development focused on: (1) Development of "business" FM, "event," and temporal information (e.g., construction, operation, maintenance, repair, and inspection records) concerning the "real-world" features/objects depicted in the SDSFIE and Architectural, Engineering, and Construction (A/E/C)/CADD Standard, and (2) Development of the capability to link to and share data with "corporate" databases, computerized information management systems, computer maintenance management systems, and commercially available FM software.

The first release of the FMSFIE (formerly called Tri-Service Facility Management Standards (TSFMS), and Facility Management Standards (FMS)) was published with Release 1.80 of the SDSFIE (formerly called Tri-Service Spatial Data Standards (TSSDS)) in February 1999.

In Fiscal Year 2000, the CADD/GIS Technology Center's Standards Working Group (SWG) and Corporate Staff (CS) approved a FMSFIE development Strategic Plan (http://tsc.wes.army.mil/products/tssds-tsfms/fms/projects/fmsfiepr.htm), which provided a framework and strategy for evolution of the FMSFIE to a more robust "transactional" data model closely integrated with the SDSFIE & A/E/C CADD Standard. Development of the "transactional" FMSFIE data model and standard began in Fiscal Year 2000, with an initial focus on Asset Management. Its first release will be included with the SDSFIE & FMSFIE Release 2.30, scheduled to be completed in September 2003. The transactional FMSFIE defines a data model and data dictionary for facility management legal and Federal data reporting requirements encompassing the areas of asset management, work management, environmental management, public safety management, organization management, information security management, and financial management. In addition, the design of the FMSFIE will facilitate the sharing of data between various facility management (FM) information management systems (IMS) (e.g., Army Integrated Facilities System (IFS), Air Force Interim Work Information Management System

(IWIMS), Air Force Automated Civil Engineer System (ACES), Navy Facility Assets Data Base (NFADB), Army Corps of Engineers Facilities and Maintenance System (FEM), and OSD RPES).

Like the SDSFIE, the transactional FMSFIE is being designed for implementation using commercially available relational database software (e.g., Oracle and SQL Server) and a Microsoft Windows Operating System (e.g., Windows 2000, XP, & NT). The FMSFIE is non-proprietary, thereby permitting other organizations, contractors, and vendors the ability to freely use the data schema and data dictionary, share FMSFIE compliant data with other organizations, and build applications based upon the FMSFIE data schema.

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